## **EAST Search History**

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20070141315"	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 09:44
S2	2	"20070141315"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/03/10 09:44
S3	4	("4083719"   "4500360"   "5660923"   "5891249").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 09:51
S4	24	("3197328"   "3310870"   "3575138"   "3608178"   "4333419"   "4365995"   "4466989"   "5042111"   "5042122"   "5123373"   "5128199"   "5310582"   "5660923").PN. OR ("5660923"   "5891249").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 10:15
S5	9	S4 and align\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 10:15
S6	34	((KIMINORI) near2 (SATO)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:02
S7	56	("20020022686"   "20020025998"   "3398322"   "3673121"   "3708387"   "4098945"   "4307147"   "4367745"   "4470063"   "4496475"   "4568592"   "4664971"   "4689250"   "4816184"   "5011870"   "5011872"   "5021494"   "5037590"   "5098610"   "5106540"   "5180513"   "5213715"   "5225110"   "5249620"   "5286416"   "5302456"   "5334330"   "5373046"   "5397608"   "5400505"   "5445308"   "5454425"   "5490319"   "5522962"   "5536568"   "5552214"   "5580493"   "5660923"   "5669381"   "5681883"   "5770305"   "5834337"   "5851644"   "5863467"   "5945217"   "5977230"   "5981085"   "6048919"   "6139783"   "6303096"   "T904012").PN. OR ("6899160").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:04
S8	12	("5042111"   "5042122"   "5123373"   "5128199"   "5310582").PN. OR ("5660923").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:04
S9	1	((NOBUAKI) near2 (OZOE)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:08
S10	1	((JINICHI) near2 (OGAWA)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:08
S11	15	((TOSHIYUKI) near2 (UENO)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:08
S12	1	("20040131835").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 11:10

S13	2988	puls\$3 adj electric\$3 adj current	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:25
S14	23	puls\$3 adj electric\$3 adj current and metal with fiber with carbon	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:25
S15	21	puls\$3 adj electric\$3 adj current and metal with fiber with carbon and (mix\$4 or grind\$4 or mill\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:25
S16	6	puls\$3 adj electric\$3 adj current and metal with fiber with carbon and mill\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:26
S17	21	puls\$3 adj electric\$3 adj current and metal with fiber with carbon and (mix\$4 or grind\$4 or milling)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:27
S18	21	puls\$3 adj electric\$3 adj current and metal with fiber with carbon and (mix\$4 or grind\$4 or mill or milling)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:27
S19	90	puls\$3 adj electric\$3 same sinter\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:29
S20	49	puls\$3 adj electric\$3 adj current same sinter\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:30
S21	418	puls\$3 near3 current same sinter\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:30
S22	10	puls\$3 near3 current same sinter\$4 and metal with carbon with fiber	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:30
<b>S2</b> 3	8	("5043123"   "5543235").PN. OR ("5993733").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 11:31
S24	1	("5891247").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 11:43
S25	1	("5891249").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 11:43
S26	5	(("3606667") or ("3984043") or ("4110505") or ("4132828")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 11:49
S27	1	((SATOSHI) near2 (KOMATSUBARA)). INV.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 12:00
<b>S2</b> 8	0	(shimane perfectural government).as.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 12:01
S29	0	(shimane with perfectural with government).as.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 12:01
S30	1	(shimane with perfectural with govemment).as.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 12:01
S31	1	(shimane with perfectural).as.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 12:02
S32	24	(shimane).as.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 12:02
S33	10	(US-20090136707-\$ or US-20070141315-\$ or US-20040131835-\$). did. or (US-6899160-\$ or US-6616971-\$ or US-5993733-\$ or US-5128199-\$ or US-5123373-\$ or US-4132828-\$).did.	US-PGPUB; USPAT	AND	ON	2010/03/10 12:03
S34	7	S33 and sinter\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 12:03
S35	6	S33 and sinter\$4 and (align\$4 or orient \$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 12:04

S36	6	S33 and sinter\$4 and (align\$4 or orient \$5)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 12:04
S37	4	S33 and sinter\$4 and (align\$4 or orient \$5) and (mix\$4 or grind\$4 or mill or milling)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 12:04
S38	4	\$33 and sinter\$4 and (align\$4 or orient \$5) and (mix\$4 or grind\$4 or mill or milling or agitat\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 12:04
S43	3	(fiber or whisker) same metal adj powder and mix\$4 same (milling or mill or tumbling or grinding) and (orient\$5 or align\$4) same (fiber or whisker) and sinter\$4 with (sps or spark or plasma or puls\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 17:32
S44	77	(fiber or whisker) same metal adj powder and mix\$4 same (milling or mill or tumbling or grinding) and (orient\$5 or align\$4) same (fiber or whisker) and sinter\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/10 17:33
<b>S4</b> 5	1	("20040096725").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 18:24
S46	12	("5042111"   "5042122"   "5123373"   "5128199"   "5310582").PN. OR ("5660923").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 13:06
S47	27	brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 13:30
S48	16	brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder and (mill or milling)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 13:30
S49	15	brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder and (mill or milling) and fiber with (align \$4 or orient\$5)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 13:30
<b>S</b> 50	15	brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder and (mill or milling) and fiber with (align \$4 or orient\$5) and (pitch or pan or vapor or phase)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 13:32
S51	3	brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder and (mill or milling) and fiber with (align \$4 or orient\$5) and (pitch or pan or vapor or phase) and (plasma or puls\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 13:33
S52	19	brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder and (mill or milling or milled) and fiber with (align\$4 or orient\$5) and (pitch or pan or vapor or phase)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 13:35
S53	20	brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder and (mill or milling or milled) and fiber with (align\$4 or orient\$5 or dimension \$2) and (pitch or pan or vapor or phase)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 13:36

S54	7	brak\$3 and sinter\$4 and fiber with length and fiber same metal adj powder fiber with (align\$4 or orient\$5) same (mix\$3 or blend\$3 or mill or milling or milled or tubl\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 14:24
S55	36	sinter\$4 and fiber with length and fiber same metal adj powder fiber with (align \$4 or orient\$5) same (mix\$3 or blend\$3 or mill or milling or milled or tubl\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 14:30
S56	36	sinter\$4 and fiber with length and fiber same metal adj powder fiber with (align \$4 or orient\$5) same (mix\$3 or blend\$3 or mill or milling or milled or tumbl\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 14:30
S57	15	sinter\$4 and fiber with length and fiber same metal adj powder fiber with (align \$4 or orient\$5) with (mix\$3 or blend\$3 or mill or milling or milled or tumbl\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 14:30
S58	8	fiber with length and metal adj powder same fiber with (align\$4 or orient\$5) with (mix\$3 or blend\$3 or mill or milling or milled or tumbl\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 14:34
S59	19	fiber with length and metal adj powder same fiber with (align\$4 or orient\$5) same (mix\$3 or blend\$3 or mill or milling or milled or tumbl\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 14:36
<b>S6</b> 0	2805	rod adj mill\$3	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 15:07
S61	156	rod adj mill\$3 same fiber	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 15:07
S62	4	rod adj mill\$3 same fiber and fiber same metal adj powder	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 15:07
<b>S6</b> 3	66	rod adj mill\$3 same fiber and fiber same (orient\$5 or direction\$3 or dimension\$2 or align\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 15:08
S64	28	rod adj mill\$3 same fiber same (orient \$5 or direction\$3 or dimension\$2 or align\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 15:08
S65	17	rod adj mill\$3 with fiber same (orient\$5 or direction\$3 or dimension\$2 or align \$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 15:09
S66	2	rod adj mill\$3 with fiber with (orient\$5 or direction\$3 or dimension\$2 or align \$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 15:09
S67	20	rod adj mill\$3 with (orient\$5 or align\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 15:11
S68	0	rod adj mill\$3 with (orient\$5 or align\$4) same fiber	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 15:11
S69	2	(("4543345") or ("20050133963")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/11 15:14
S70	1	("4083719"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/11 16:36
S71	1	("4997708"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/11 18:00

S72	504	(264/437,438,439,440).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/11 18:24
S73	1493	(241/170,171,172,173,174).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/11 18:24
S74	2626	(419/10,11,24,30,45,52).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/11 18:26
S75	966	(419/32,33). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/11 18:26
S76	11	fiber with (orient\$5 or align\$4) with (mill or milled or milling) and ball adj mill	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 19:22
S77	0	jp04/06502	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/11 19:23
S78	0	jp04/06502	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/03/11 19:23
S79	0	jp2004/06502	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/03/11 19:23
<b>S</b> 80	3	"200406502"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; JBM_TDB	AND	ON	2010/03/11 19:23
S81	34	"06502"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/03/11 19:23
S82	2	"20060286361"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/03/11 19:24
S83	789	brak\$3 same fiber and fiber with length and fiber same (align\$4 or orient\$5)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/12 17:56
S84	242	brak\$3 same fiber and fiber with length with (mm or micron or "mu.m") and fiber same (align\$4 or orient\$5)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/12 17:58
S86	17	brak\$3 same fiber same fiber with length with (mm or micron or "mu.m") same fiber same (align\$4 or orient\$5)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/12 17:58
S87	0	brak\$3 same fiber and fiber with length with (mm or micron or "mu.m") and fiber same (align\$4 or orient\$5) and sinter%5	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/12 18:02

S88	20	fiber same tow same fiber with length with (mm or micron or "mu.m") and fiber same (align\$4 or orient\$5) and sinter\$5	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/13 15:16
S89	44	brak\$3 same fiber same fiber with length with (mm or micron or "mu.m") and fiber same (align\$4 or orient\$5)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/16 15:43
S90	1	(US-5891249-\$).did.	USPAT	AND	ON	2010/03/16 16:50
S91	0	S90 and sinter\$4 same (vacuum or inert)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/16 16:50
S92	0	S90 and sinter\$4 same (vacuum\$4 or inert)	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/16 16:50
S93	1	S90 and sinter\$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/03/16 16:51
S94	23	(US-20090136707-\$ or US-20070141315-\$ or US-20060286361-\$ or US-20050133963-\$ or US-20040131835-\$ or US-20030104238-\$ or US-20030044593-\$ or US-20020142146-\$ or US-20020130434-\$ or US-20020127384-\$).did. or (US-6899160-\$ or US-6616971-\$ or US-6013371-\$ or US-5993733-\$ or US-5891249-\$ or US-5876659-\$ or US-5660923-\$ or US-5277973-\$ or US-5128199-\$ or US-5123373-\$ or US-5002836-\$ or US-4543345-\$ or US-4132828-\$).did.	US-PGPUB; USPAT	AND	ON	2010/07/14 18:01
<b>S</b> 95	14	S94 and (methanol or ethanol or propanol or acetone or hexane or benzene or xylene or toluene or dimethyl adj ether or ethylmethyl adj ether or chloroform)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/14 18:02
S96	4	S94 and (methanol or ethanol or propanol or acetone or hexane or benzene or xylene or toluene or dimethyl adj ether or ethylmethyl adj ether or chloroform) same metal	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/14 18:02
S97	1	(US-5277973-\$).did.	USPAT	AND	ON	2010/07/14 18:25
S98	1	S97 and reinforcing adj fiber same carbon	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/14 18:26
S99	1	S97 and reinforcing adj fiber with carbon	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/14 18:26
S100	0	S97 and (cut\$3 or chop\$3) with (tow or continuous)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/14 18:37
S101	1	S97 and (cut\$3 or chop\$3) with fiber	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/14 18:37

## EAST Search History (Interference)

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 $\textbf{C:} \ \, \textbf{Documents and Settings} \ \, \textbf{akhare} \\ \ \, \textbf{My Documents} \\ \ \, \textbf{EAST} \\ \ \, \textbf{Workspaces} \\ \ \, \textbf{10582990.wsp} \\ \ \, \textbf{Akhare} \\ \ \, \textbf{My Documents} \\ \ \, \textbf{Akhare} \\ \ \, \textbf{My Documents} \\ \ \, \textbf{Akhare} \\ \ \, \textbf{My Documents} \\ \ \, \textbf{Akhare} \\ \ \, \textbf{My Documents} \\ \ \, \textbf{Akhare} \\ \ \, \textbf{Akhare$